

IN THE SPECIFICATION

Please replace the Abstract paragraph on page 18 with the following:

ABSTRACT OF THE DISCLOSURE

A ~~base transceiver station includes a demodulator that~~ determines a time of arrival of an access signal. Access signals that do not ~~obtain result in~~ a time of arrival are discarded. Upon obtaining a time of arrival, the access signal is ~~equalized and processed by an equalizer that~~ ~~corrects multi path fading in the received access signal.~~ Upon ~~equalization,~~ a training sequence of bits in the ~~equalized~~ access signal is compared to a reference sequence of bits. A burst confidence metric is obtained in the comparison by summing the number of matching bits. ~~The burst confidence metric is compared to a threshold number.~~ The access signal is discarded if the burst confidence metric is less ~~than the~~ ~~than a~~ threshold number. A decoder performs a parity check on access signals that have a burst confidence metric that ~~exceeds exceeding~~ the threshold number. The access signal is discarded if the parity check fails. Upon passing the parity check, the access signal is re-encoded and compared to its received version. If a number of bit errors from the comparison exceeds a bit error threshold, the access signal is discarded. ~~Otherwise, resources are allocated associated with the access signals~~